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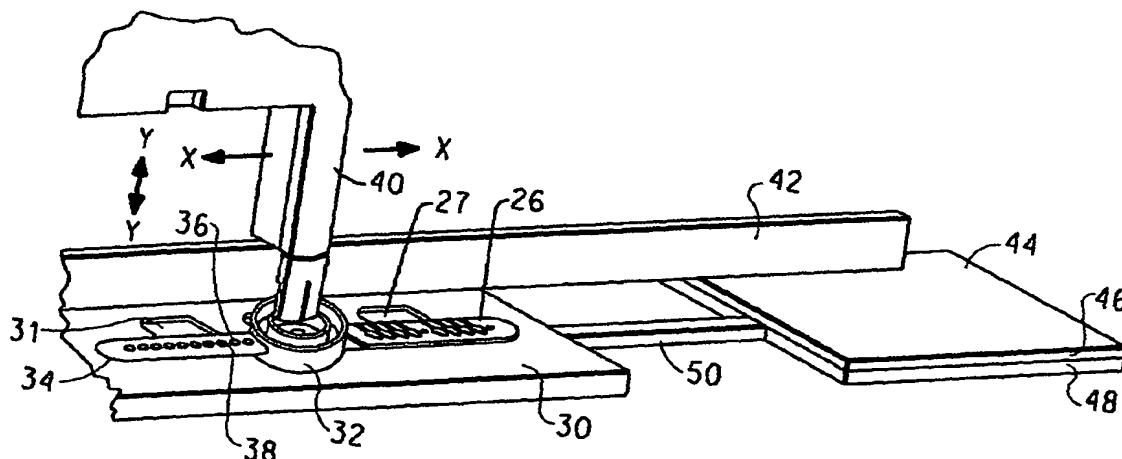
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR PREPARING PROCESSED SAMPLE LIQUID SOLUTION FOR ELECTROPHORESIS



(57) Abstract: A process for preparing a processed sample liquid solution for gel electrophoresis, comprising (a) treating a sample comprising a cell suspension in a non-shearing manner to produce a processed sample liquid solution comprising a mixture of DNA fragments extracted from the cell suspension, wherein at least one of the DNA fragments is greater than 200 kilobase pairs and (b) transferring the processed sample liquid solution in a non-shearing manner directly to an electrophoresis medium for conducting electrophoresis.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/07222

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01D 57/02; C12N 1/06

US CL : 204/450,451,456,458,543; 435/259

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 204/450,451,456,458,543; 435/259

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST: electrophoresis, achromopeptidase, lysis, digest, restriction, capillary, pulsed field

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,595,876 A (RAKESTRAW) 21 January 1997 (21.01.1997), column 1, line 26 to column 6, line 22.	1-28
Y	US 4,473,452 A (CANTOR et al) 25 September 1984 (25.09.1984), column 2, lines 16-66 and column 6, lines 26-46.	1-28
Y	US 6,261,842 B1 (HANDELSMAN et al) 17 July 2001 (17.07.2001), column 12, lines 40-48 and column 17, lines 38-59.	7, 28
Y	US 6,122,248 A (KARGER et al) 16 June 1992 (16.06.1992), col. 1, lines 1-59.	24

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Further documents are listed in the continuation of Box C.

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See patent family annex.

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